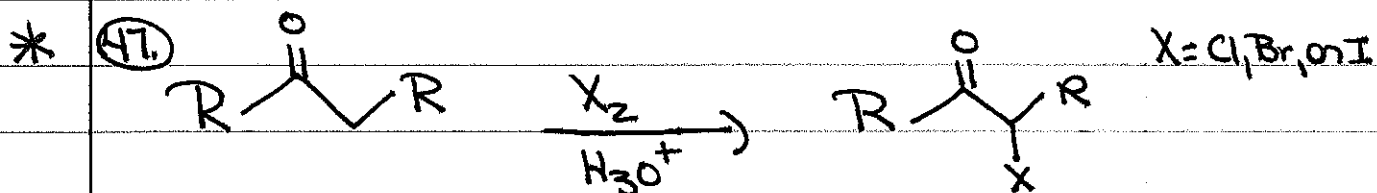
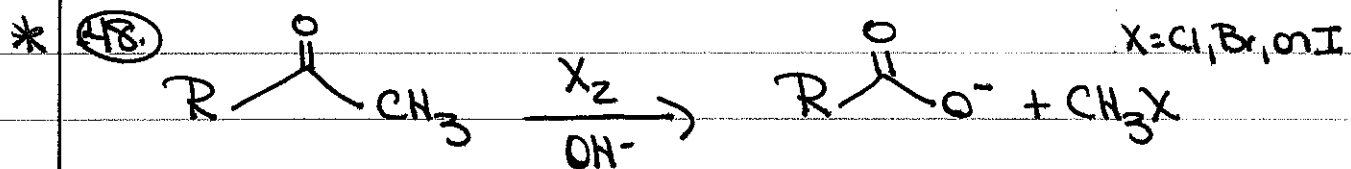


* Reactions at the α Position

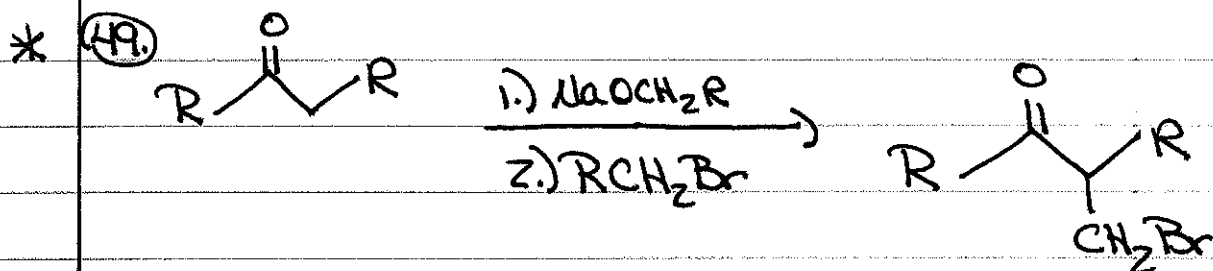
* = Mechanism was shown
Mechanisms are shown on answer
sheets to worksheets



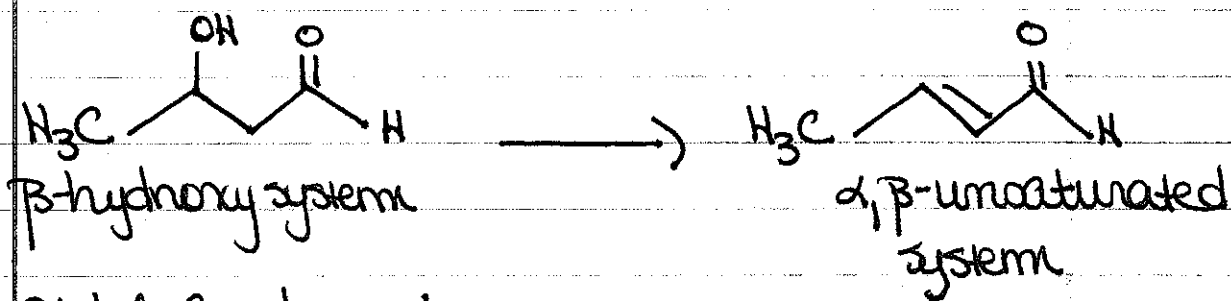
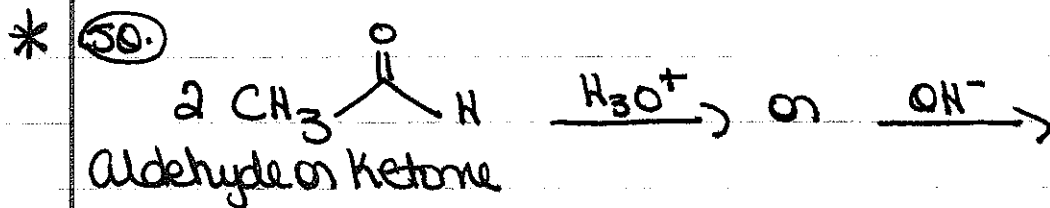
α Halogenation in Acidic Conditions:
add only one halogen to the α position



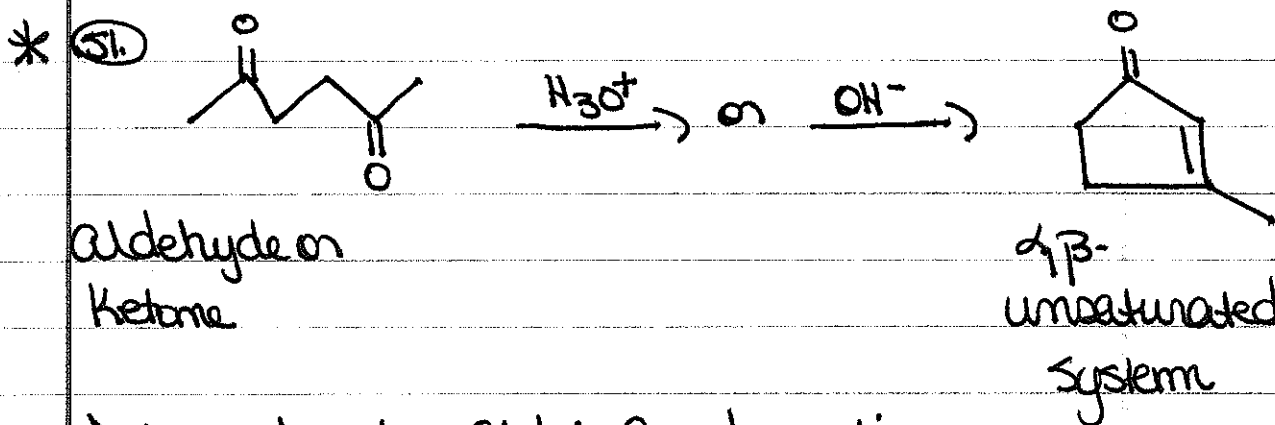
α Halogenation in Basic Conditions:
Haloform Rxn: Tests for methyl ketones:
replace all α H w/ halogen



Alkylation at the α Position: $\text{S}_{\text{N}}2$ rxn



Aldol Condensation



Intramolecular Aldol Condensation:
 Only make 5+6 membered rings